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BLADE HOLDER WITH CUTTING FORCE ADJUSTMENT INDEPENDENT OF STROKE

Abstract

5 In a blade holder for cutting machines with a blade head supported in a lowering device and with an advancing device for the circular blade secured in a blade head, whereby the advancing device for movement of the circular blade between a cutting position and a ready position comprises an advancing piston rod, having an advancing piston rod actuated pneumatically and guided within a chamber of the blade head housing, and wherein the advancing piston rod is pretensioned by a pressure spring into the ready position of the circular blade, it is desired to improve the precision of the cutting force control. For this purpose it is suggested to arrange, for overcoming the force of the pressure spring (23) acting on the advancing piston rod (14) during the cutting operation, a pressing device (24) loading the pressure spring (23) into the direction of the cutting position of the circular blade (16) and decoupled from the advancing piston rod (14).

15 In connection with Fig. 1 of the drawing

Abstract of the Disclosure

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A blade holder for cutting machines has a blade head secured at a lowering device and a blade head housing having a chamber. The blade head has a blade holding member for receiving a circular blade. An advancing device is mounted in the blade head housing. The advancing device has an advancing piston rod and an advancing piston actuating the advancing piston rod. The advancing piston rod acts on the blade holding member for moving the circular blade between a cutting position and a ready position. The advancing piston is pneumatically actuated and mounted and guided in the chamber. A pressure spring acts on the advancing piston rod to prestress the advancing piston rod into the ready position of the circular blade. A pressing device loads the pressure spring in a direction of the cutting position of the circular blade. The pressing device is decoupled from the advancing piston rod.
